

Mr. Kevin Pillay, with identification document 8106015197087
has successfully passed and obtained the title of:

Professional Master's Degree in Diabetes

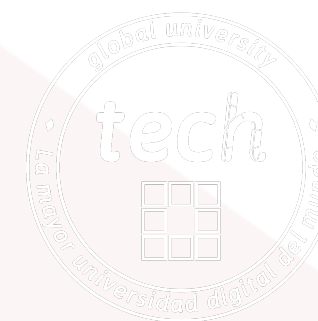
This is a program of 1500 hours of duration equivalent to 60 ECTS, with a start date of 2023/05/31
and an end date of 2024/06/01

TECH Global University is a university officially recognized by the Government of Andorra on the 31st
of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on 06 June 2024



Dr. Pedro Navarro Illana
Chancellor



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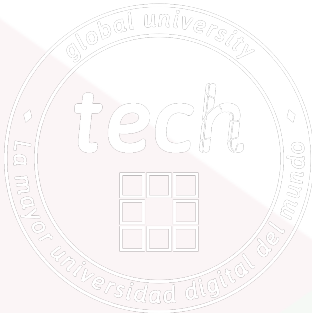
Grades

Subject type	ECTS Credits
Compulsory (CO)	60
Optional (OP)	0
External Work Placement (WP)	0
Master's Degree Thesis (MDT)	0
Total 60	

Subject	Note
MODULE 1. THE CONCEPT OF DIABETES. EPIDEMIOLOGY	9
MODULE 2. PATHOPHYSIOLOGY OF DIABETES	8.4
MODULE 3. ASSESSMENT OF DIABETES AND ITS COMORBIDITIES	9.11
MODULE 4. DIABETES COMPLICATIONS. CLASSIFICATION	9.6
MODULE 5. MACROVASCULAR COMPLICATIONS OF DIABETES AND OTHER MEDICAL ENTITIES.	9
MODULE 6. DIABETES MANAGEMENT (I)	9
MODULE 7. DIABETES MANAGEMENT (II)	9
MODULE 8. DIABETES AND TECHNOLOGY	9.8
MODULE 9. DIABETES IN SPECIAL SITUATIONS	9.4
MODULE 10. DIABETIC EDUCATION. CONCEPT AND FUNDAMENTALS	9.2



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General Structure of the Syllabus

Subject type	ECTS Credits	Year	Subject	ECTS	Type
Compulsory (CO)	60	1º	Module 1. The Concept of Diabetes. Epidemiology	6	CO
Optional (OP)	0		U1. Diabetes Recap.		
External Work Placement (WP)	0		U2. Classification of Diabetes and Other Categories of Glucose Intolerance		
Master's Degree Thesis (MDT)	0		U3. Gestational Diabetes		
			U4. Diabetes and Genetic Syndromes		
			U5. Diabetes and Exocrine Pancreas Diseases.		
			U6. Pharmacological Diabetes		
			U7. Epidemiology of Type 1 Diabetes.		
			U8. Epidemiology of Type 2 Diabetes.		
			U9. Screening for Type 2 Diabetes and Prediabetes.		
			U10. Diabetes and Population Health		
			Masterful video		
		1º	Module 2. Pathophysiology of Diabetes	6	CO
			U1. Normal Anatomy and Physiology of Pancreatic Function. Glucose Homeostasis.		
			U2.Pathogenesis of Type 1 Diabetes.		
			U3.Pathogenesis of Type 2 Diabetes. Overview.		
			U4. Role of Adipose Tissue in Type 2 Diabetes. Concept of Insulin Resistance		
			U5. Implications of Intestinal Hormones in the Pathophysiology of Diabetes: Incretin System. Intestinal Microbiota.		
			U6. Implications of the Kidney in the Pathophysiology of Diabetes.		
			U7. The Central Nervous System and the Pathophysiology of Diabetes.		
			U8. Diabetes and Genetics.		
			U9. Diabetes and Delay or Prevention of DM1.		
			U10. Diabetes and Delay or Prevention of DM2.		
			Masterful video		

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Subject type	ECTS Credits	Year	Subject	ECTS	Type
Compulsory (CO)	60	1º	Module 3. Assessment of Diabetes and its Comorbidities	6	CO
Optional (OP)	0		U1 Patient-Centered. Facilitating Behavioral Change in Diabetic Patients.		
External Work Placement (WP)	0		U2 Glycemic Control Objectives.		
Master's Degree Thesis (MDT)	0		U3 Hypoglycemia		
			U4 Diabetes and Hyperglycemic Decompensations: CAD.		
			U5 Diabetes and Hyperglycemic Hyperosmolar Hyperglycemic Decompensation.		
			U6 Diabetes and Infections.		
			U7 Cardiovascular Risk Assessment in Diabetic Patients.		
			U8 Diabetes and Endocrine Diseases.		
			U9 Psychological and Social Aspects of Diabetes.		
			Masterful video		
		1º	Module 4. Diabetes Complications. Classification	6	CO
			U1. Classification of Diabetes Complications and their Impact on People with Diabetes.		
			U2. Pathophysiology of Microvascular Complications.		
			U3. Pathophysiology of Macrovascular Complications.		
			U4. Diabetic Retinopathy.		
			U5. Diabetic Neuropathy.		
			U6. Diabetic Nephropathy.		
			U7. Periodontal Disease.		
			U8. Erectile Dysfunction.		
			U9. Diabetic Dermatopathy.		
			U10. Diabetic Foot.		
			Masterful video		
Total 60					

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Compulsory (CO)	60	1º	Module 5. Macrovascular Complications of Diabetes and Other Medical Entities.	6	CO
Optional (OP)	0		U1. Epidemiology of Macrovascular Disease in Diabetes		
External Work Placement (WP)	0		U2. Epidemiology of Hypertension and Dyslipidemia in Diabetes		
Master's Degree Thesis (MDT)	0		U3. Diabetes and the Heart		
			U4. Cerebrovascular Disease in Diabetes		
	Total 60		U5. Peripheral Arterial Disease		
			U6. Effects of Glycemic Control on Cardiovascular Events in Patients with Diabetes		
			U7. Diabetes and Hepatic Steatosis/Steatohepatitis		
			U8. Diabetes and Pulmonary Disease		
			U9. Diabetes and Cancer		
			U10. Diabetes and Depression		
			Masterful video		
		1º	Module 6. Diabetes Management (I)	6	CO
			U1. Introduction to Comprehensive Diabetes Management		
			U2. Management of Obesity in Diabetes and Prediabetes. Metabolic Surgery for the Treatment of Diabetes		
			U3. Treatment of Risk Factors: Hypertension in Diabetes, Dyslipemia		
			U4. Treatment of Risk Factors: Tobacco Use		
			U5. Nutrition in Type 1 Diabetes		
			U6. Nutrition in Type 2 Diabetes		
			U7. Exercise as Part of Diabetes Treatment		
			U8. "Conventional" Treatment of Type 1 Diabetes		
			U9. "Non-Conventional" Treatment of Type 1 Diabetes. Pancreatic Islet Transplant. Pancreas Transplant		
			U10. National and International Guidelines and Consensus for Managing Type 2 Diabetes		
			Masterful video		

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Compulsory (CO)	60	1º	Module 7. Diabetes Management (II)	6	CO
Optional (OP)	0		U1. Metformin		
External Work Placement (WP)	0		U2. Sulfonylureas and Glinides		
Master's Degree Thesis (MDT)	0		U3. Acarbose and Thiazolidinediones		
			U4. Inhibitors of the Renal Glucose Transporter SGLT2		
			U5. DPP4 Enzyme Inhibitors		
			U6. GLP-1 Receptor Agonists		
			U7. Recap. Prandial Insulins. Basal Insulins		
			U8. New Treatments under Research		
			U9. Treatment of Steroid Diabetes		
			U10. Treatment of Gestational Diabetes		
			Masterful video		
		1º	Module 8. Diabetes and Technology	6	CO
			U1. Overview of the Use of Technology in Diabetes		
			U2. Self-Monitoring of Capillary Glycemia		
			U3. Continuous Glucose Monitoring. Glucose Sensors		
			U4. Insulin and Injection Devices. Insulin Pumps		
			U5. Artificial Pancreas		
			U6. Use of Technology in Diabetes in Pregnancy		
			U7. Use of Technology in Diabetes in Childhood		
			U8. Diabetes and Big Data		
			U9. Diabetes and Internet (Websites, Apps...)		
			U10. New Forms of Medical Care for Patients with Diabetes		
			Masterful video		

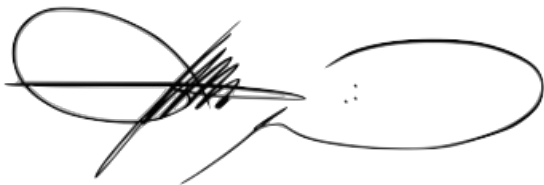
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Master's Degree Thesis (MDT)	0
Total 60	

Year	Subject	ECTS	Type
1º	Module 9. Diabetes in Special Situations U1. Diabetes in Childhood and Adolescence U2. Diabetes and Alcohol and Sexual Relationships U3. Diabetes in Women U4. Diabetes in the Elderly and Institutionalized Patients U5. Diabetes and Sport U6. Diabetes in Hospitalized Patients U7. Diabetes and Travel U8. Diabetes and Labor/Rural World U9. Socioeconomic Aspects of Diabetes U10. Legal Aspects of Diabetes Masterful video	6	CO
1º	Module 10. Diabetic Education. Concept and Fundamentals U1. Diabetic Education. Concept. Assessment of the Educational Needs of Diabetic People U2. Diabetic Education Training Programs U3. Education and Skills in People with Type 1 Diabetes U4. Education and Competencies in Persons at Risk for Type 2 Diabetes or with Type 2 Diabetes U5. Therapeutic Education in Children and Adolescents, their Parents or Caregivers U6. Therapeutic Education for the Detection of Foot Risk in People with Diabetes U7. Impact of the "Expert Patient" Program on Diabetic Education U8. Impact of Patient Associations U9. Ethical Aspects in Diabetes Education U10. Challenges in Chronic Monitoring. Barriers to Adherence and Therapeutic Inertia Masterful video	6	CO



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